

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

ORIGINAL
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OCT 27 2004

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

Illinois Commerce Commission
RAIL SAFETY SECTION

Date: October 18, 2004

X-12280
705-0014

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes an application for authority to make a major change in crossing protection or to install new protection under 92 Illinois Administrative Code 1535.400(d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed protection to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Flashing Light Crossing Signals with Gates and 12" lenses. Front and back

Light assemblies on both signal masts at: TR-40 in Keenes, Wayne County, Illinois,

MP. 99.36 W, DOT: 724 749S

File No. 061-04.542

Project No. 04.0607

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for a hearing, and that the Commission enter an order or adopt at resolution consenting to and granting authority for the making of the said proposed changes in or additions to the crossing protection.

Norfolk Southern Railway Company

By

R.H. Ray

R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191
(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company: Norfolk Southern Railway Company
2. Crossing Number: 724 749S
3. Village or City: Keenes
4. Name of Street or Highway: TR-40
5. Public Agency Maintaining Highway: Township
6. Protection now established:
- Reflectorized Cross Buck and Bell.
-
-
-
7. Protection desired:
- Automatic Flashing Light Warning Devices with Gates and Bell. Train Detection Equipment
- controlled by Constant Warning Time Circuitry.
-
-
8. Number of main tracks One Other tracks None
9. Number of passenger movements:
- 6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
- 6 a.m. to 6 p.m. 10 6 p.m. to 6 a.m. 11
11. Approximate number of switch movements:
- 6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
12. Maximum speed of trains at crossing on each track in each direction:
- North/East 50 M.P.H.
- South/West 50 M.P.H.
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

75 A.A.D.T.

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

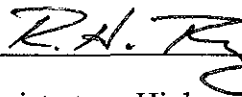
ADDITIONAL INFORMATION

Drawing attached for question no. 16

(File Original and Two Duplicates)

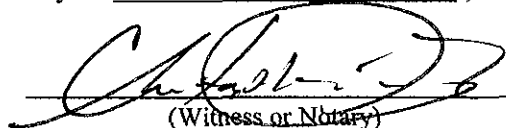
VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator - Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.



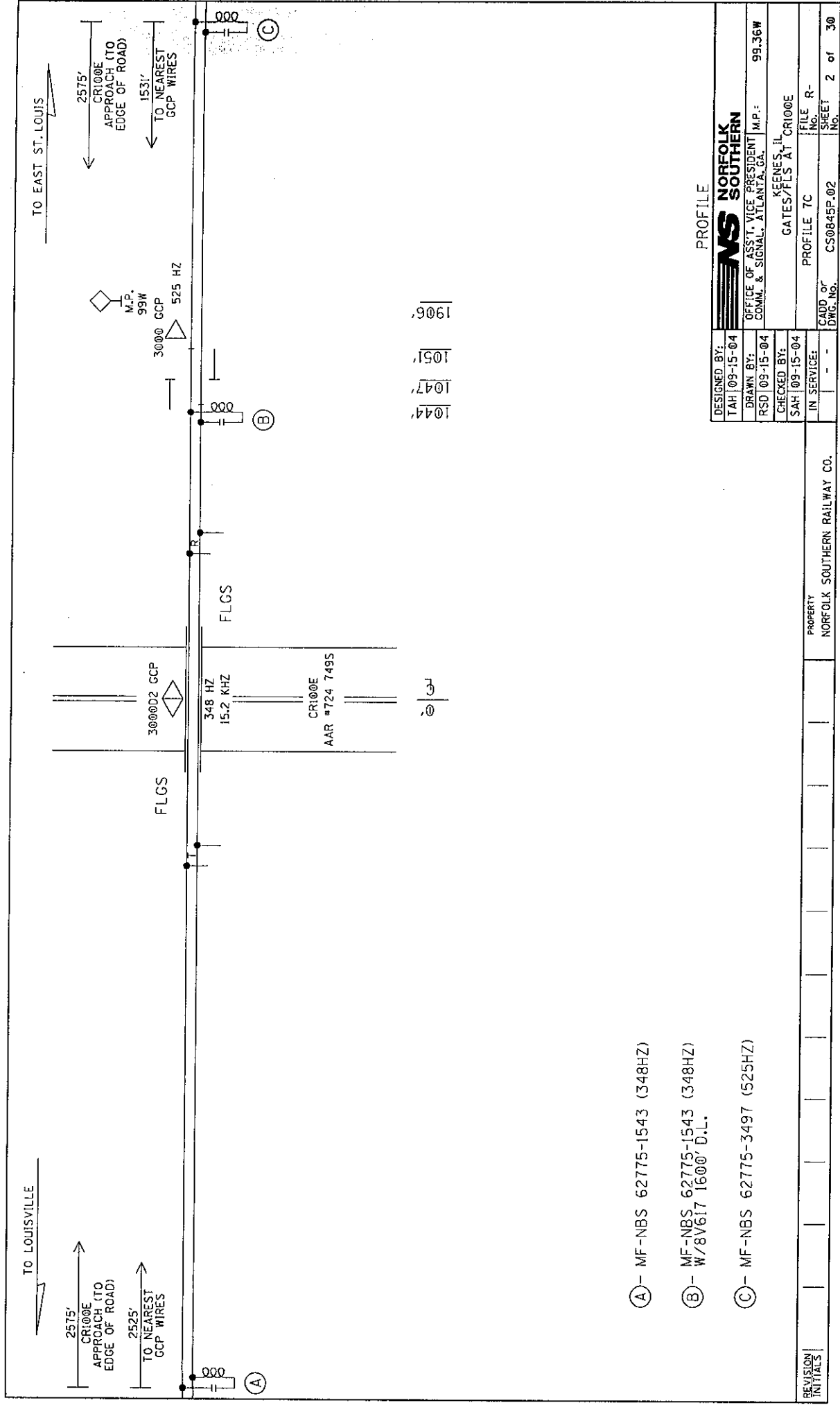
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 18 th.
day of October, 20 04.


(Witness or Notary)

Notary Public - Georgia

My Commission Expires: _____



- (A) MF-NBS 62775-1543 (348HZ)
- (B) MF-NBS 62775-1543 (348HZ)
W/8V617 1600' D.L.
- (C) MF-NBS 62775-3497 (525HZ)

PROFILE

DESIGNED BY:	TAH 09-15-04	NORFOLK SOUTHERN
DRAWN BY:	RSD 09-15-04	
CHECKED BY:	SAH 09-15-04	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.
IN SERVICE:	- -	KEENES, IL
FILE NO.	FILE R-	GATES/FLS AT CRI00E
NO. OF SHEET	2 of 30	PROFILE 7C
CADD. OF DWG. NO.	CS0845P-02	

Detailed Estimate for Grade Crossing Warning Devices

City/State: KEENES, IL
MilePost: 99.36-W
State Proj. No.:
S&E Proj. No.: 04.0607
Man Days: 120

Road: TR-40
DOT/AAR: 724749s
County: WAYNE
AFE:
File Number: 061-04.542

*****Purchases - Other*****

Meals and Lodging:	\$10,450.00	
Rental of Equipment:	\$22,850.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 30 Days)		
Construction Supervision Vehicle:	\$430.00	
Contingencies:	\$570.00	
Purchases - Other Total:		\$34,300.00

***** Material and Additives*****

Material Cost:	\$89,980.00	
Sales and Use Tax:	\$4,500.00	
Material Handling Freight:	\$4,500.00	
Material Total:		\$98,980.00

*****Labor and Additives*****

Labor Cost:	\$26,880.00	
(4 man crew at \$896.00 a day for: 30 days)		
Payroll Tax & Overheads:	\$23,270.00	
Preliminary Engineering:	\$10,280.00	
Construction Supervision:	\$7,590.00	
Labor Total:		\$68,020.00
Subtotal:		\$201,300.00
Credit:		\$0.00
(Salvage/Scrap)		
Project Total:		\$201,300.00

Estimated on: 04-Oct-04

Estimated by: enjab

Estimate valid for 1 year from date of estimate

Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	KEENES
Road:	TR-40
Milepost:	99.36-W
Drawing Number:	CS0845P
State Project Number:	
County:	WAYNE
A A R Number:	724749s
Project Number:	04.0607
File Number:	061-04.542
A F E Number:	
Store Number:	
Supervisor:	J.E. BROWNE
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

04-Oct-04

Exh B, p3

Location: KEENES		IL	S&E Proj. No.: 04.0607		AFE No.:		Drawing No.: CS0845P		Page 1/5	
Store No.:		P.O. Number			Date Required:		Date Shipped:		Vendor : Railroad Signal Design	
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
3	670-360693-4	EA	\$5.04	\$15.12	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY S'TRAN.					
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE					
2	670-001321-4	EA	\$289.81	\$579.62	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR					
19	105-871901-4	EA	\$161.57	\$3,069.83	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS					
1	670-503047-4	EA	\$185.13	\$185.13	BELL, CROSSING ELECTRONIC GENERL SIGNAL, EB-3-360-5 CR 02-044350					
4	165-000341-4	EA	\$10.34	\$41.36	BERM WALL ANCHOR ROD, WITH NUT A.B. CHANCE #6417 (ORDER 4 PER BERM WALL)					
26	165-479603-4	EA	\$10.83	\$281.58	BERM WALL DEADEND,STRANDVISE GRAYBAR# 5201T (ORDER 2 PER POWR SOURCE) OR (26 PER BERM WALL)					
1	670-010869-4	EA	\$2,300.10	\$2,300.10	BERM WALL, ARMCO BIN TYPE II 12 GAUGE GALVINIZED STEEL 8'-4" HIGH BY 10' LONG (FOR HOUSING)					
4	215-003229-4	EA	\$11.68	\$46.72	BERM WALL/BACK GUY ANCHOR, A.B. CHANCE# 88135 (ORDER 4 PER BERM WALL) OR (1 PER POWER SOURCE)					
2	670-980689-4	EA	\$71.71	\$143.42	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE					
2	670-561375-4	EA	\$1,197.90	\$2,395.80	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS					
500	465-292862-4	LF	\$1.04	\$520.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR					
1300	465-292945-4	LF	\$1.35	\$1,755.00	CABLE, U-5-14, S-54 OKONITE 206-14-6885					
300	465-292929-4	LF	\$3.05	\$915.00	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL					
APPROVED BY STATE				APPROVED BY RAILROAD				CAR NUMBER		SEAL NUMBER

Exh B, p3

Store No.: P.O. Number Date Required: Date Shipped: Vendor: Railroad Signal Design

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.	Date Quan.		
300	465-939422-4	LF	\$2.55	\$765.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL						
1600	465-791835-4	FT	\$2.22	\$3,552.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070						
80	165-544477-4	FT	\$2.55	\$204.00	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4						
4	670-090450-4	EA	\$50.38	\$201.52	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W						
4	670-486646-4	EA	\$41.62	\$166.48	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W						
2	670-793404-4	EA	\$838.37	\$1,676.74	COUNTERWEIGHT PKAGE, 17-24 GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS						
4	670-760012-4	EA	\$40.02	\$160.08	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ===== TO COVER 2 LAMPS=====						
1	670-986650-4	EA	\$375.69	\$375.69	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER						
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO						
3	670-000003-4	EA	\$255.85	\$767.55	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST						
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED						
1	670-942036-4	EA	\$43.57	\$43.57	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-1600						
2	670-477991-4	EA	\$317.90	\$635.80	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200' #4 WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206						
2	670-123298-4	EA	\$256.93	\$513.86	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS,)NE CAN BLUE MARKING PAINT ETC...						

Exh B, p4

Vendor: Railroad Signal Design

Date Shipped:

Date Required:

P.O. Number

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed			Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.	Date Quan.		
2	670-764166-4	EA	\$907.65	\$1,815.30	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS						
6	165-643547-4	EA	\$4.30	\$25.80	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE						
6	255-590880-4	EA	\$16.12	\$96.72	LOCK, AMERICAN LOCK MODEL H-10KA KEYS ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"						
2	670-637778-4	EA	\$1,031.41	\$2,062.82	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. STRAN P# 070519-11AX.						
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090						
2	670-001347-4	EA	\$63.27	\$126.54	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR						
1	255-646807-4	EA	\$10.38	\$10.38	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX						
1	670-514605-4	EA	\$8.45	\$8.45	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X						
2	670-555609-4	EA	\$45.12	\$90.24	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR						
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO P/N EPD120/240TDFL						
5	465-002899-4	EA	\$22.06	\$110.30	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES						
1	670-742096-4	EA	\$41.80	\$41.80	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00						
2	670-707995-4	EA	\$313.67	\$627.34	RELAY, TYPE B1, NEV LINE, 900 OHMS,.008 AMPERES GRS A62-308 OR SAFETRAN @400003						
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER						

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CAR NUMBER

SEAL NUMBER

Drawing No.: CS0845P

S&E Proj. No.: 04.0607

AFE No.:

Vendor: Railroad Signal Design

Date Shipped:

Date Required:

P.O. Number

Store No.:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1- ILOD, 1-BSX, 2-GTS, 2-MTSS, 1-GFT, 1-VHFC, 2-RECORDER INTERFACE MODULE, 1- ECHELON CONNECTOR					
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMIN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS, SAFETRAN P/N 058400-66-78A					
3	670-586957-4	EA	\$37.68	\$113.04	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT					
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND					
1	670-688850-4	EA	\$370.27	\$370.27	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN NARROW BAND					
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215					
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546					
2	670-006438-4	EA	\$11.09	\$22.18	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X					
2	670-330382-4	RL	\$11.50	\$23.00	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"					
2	610-065626-4	EA	\$17.55	\$35.10	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY					
150	465-377911-4	FT	\$0.42	\$63.00	WIRE, ALUMOWELD GUY 7 #10 STRAND BERM WALL / POLELINE GUY WIRE (ORDER 150' PER BERM WALL) PER GLSEXTON 2-17-98					
1	670-270377-4	EA	\$15,616.66	\$15,616.66	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK (NO CONTROLLER), GCP3000, 1CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A UNI 1TRK. USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD					
1	670-258957-4	EA	\$25,580.50	\$25,580.50	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A 1TRK. USE WITH I/S 670- 281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD					

APPROVED BY STATE

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CAR NUMBER

SEAL NUMBER

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Drawing No.: CS0845P

Vendor : Railroad Signal Design

S&E Proj. No.: 04.0607

AFE No.:

Date Shipped:

Date Required:

IL

P.O. Number

Location: KEENES

Store No.:

Location: KEENES		IL		S&E Proj. No.: 04,0607		Date Required:		Date Shipped:		Vendor : Railroad Signal Design			
Store No.:		P.O. Number		Item Description		Quantity Shipped		Quantity Installed		Quantity Returned (Credit)		Special Instructions	
Qty.		Class-Item-CD		UI		Price per Item		Total Price					
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